[0009] FIG. **2** illustrates the example system of FIG. **1** with additional detail relating to a generation of application data;

[0010] FIG. **3** illustrates the example system of FIG. **1** with additional detail relating to a generation of control signals effective to control energy flow;

[0011] FIG. **4** illustrates the example system of FIG. **1** with additional detail relating to control of a distribution of energy;

[0012] FIG. **5** illustrates a flow diagram for an example process to implement an energy flow controller;

[0013] FIG. **6** illustrates an example computer program product that can be utilized to implement an energy flow controller; and

[0014] FIG. **7** is a block diagram illustrating an example computing device that is arranged to implement an energy flow controller;

[0015] all arranged according to at least some embodiments described herein.

DETAILED DESCRIPTION

[0016] In the following detailed description, reference is made to the accompanying drawings, which form a part hereof. In the drawings, similar symbols typically identify similar components, unless context dictates otherwise. The illustrative embodiments described in the detailed description, drawings, and claims are not meant to be limiting. Other embodiments may be utilized, and other changes may be made, without departing from the spirit or scope of the subject matter presented herein. It will be readily understood that the aspects of the present disclosure, as generally described herein, and illustrated in the Figures, can be arranged, substituted, combined, separated, and designed in a wide variety of different configurations, all of which are explicitly contemplated herein.

[0017] Briefly stated, technologies effective to control a distribution of energy from an energy source to a first device and to a second device are generally described. In some examples, the first and second devices may be cellular phones, computers, etc. In some examples, a controller may receive first device data and second device data, from the first device and the second device, respectively. The first device data may indicate first energy consumption by the first device and a first current energy quantity of the first device. For example, the first device data may indicate a first number of device applications being executed and/or suspended by the first device, a first routine that relates to executions of the device applications by the first device, and a first battery type of a first battery of the first device, etc. The second device data may indicate second energy consumption by the second device and a second current energy quantity of the second device. For example, the second device data may indicate a second number of device applications being executed and/or suspended by the second device, a second routine that relates to executions of the device applications by the second device, and a second battery type of a second battery of the second device, etc. The controller may evaluate the received first and second device data in order to determine whether the first and second devices require energy, which device may be prioritized to receive energy, which device may not need energy, etc. The controller may control a first switch and a second switch, based on the first and second device data, to allow a first transmission of first energy from the energy source to the first device, and to interrupt a second transmission of second energy from the energy source to the second device. For example the controller may generate control signals based on the evaluations of the first and second device data, where the controls signals may be effective to control the first and second switches in order to allow and/or interrupt transmission of energy to the first and second devices.

[0018] FIG. **1** illustrates an example system **100** that can be utilized to implement an energy flow controller, arranged in accordance with at least some embodiments described herein. System **100** may be implemented with an energy controller **110**. As will be described in more detail below, system **100** may be implemented such that energy controller **110** may control a distribution of energy **104** to devices **132** (including device **132***a*, **132***b*) based on device data **138** (including device data **138***a*, **138***b*), where device data **138** may be provided by or received from devices **132**. Energy **104** may be energy supplied by an energy source **102** such as a generator, a battery, etc. In some examples, energy source **102** may be a component, such as a battery, of energy controller **110** and may be disposed inside or as part of energy controller **110**. Devices **132** may include cellular phones, computers, etc. In some examples, energy controller **110** may control the distribution of energy **104** to devices **132** by, for example, allowing energy **104** to be transmitted to devices **132** from energy source **102**. In some examples, energy controller **110** may control the distribution of energy **104** to devices **132** by interrupting a transmission of energy **104** to devices **132** from energy source **102**. In some examples, energy controller **110** may control the distribution of energy **104** to devices **132** by instructing device **132***a* to transmit energy to device **132***b*.

[0019] Energy controller **110** and energy source **102** may be configured to be in communication with each other. Energy controller **110** may include an interface module **112**, a processing module **114**, a control module **116**, and/or a memory **118**. Interface module **112**, processing module **114**, and/or control module **116** may be configured to be in communication with each other. Processing module **114** may be configured to be in communication with memory **118**. Interface module **112** may include one or more interfaces effective to electrically connect devices **132** to energy controller **110** and/or energy source **102**. In the example depicted, interface module **112** may include interfaces **113** (including interfaces **113***a*, **113***b*) where each interface **113** may be a particular type of interface. For example, interface **113***a* may be an AC (Alternating Current) socket, and interface **113***b* may be a USB (Universal Serial Bus) socket. In the example, device **132***a* may connect to interface **113***a* through a connector **136***a* in order to connect to energy controller **110** and/or access energy source **102**. Similarly, device **132***b* may connect to interface **113***b* through a connector **136***b* in order to connect to energy controller **110** and/or access energy source **102**. In some examples, interface module **112** may include electronic circuits, such as integrated circuits, and/or sensors (further described below), configured to facilitate detection of devices **132** that may be connected to energy controller **110**.

[0020] Processing module **114** may include integrated circuits such as FPGA (Field Programmable Gate Array), SoC (System on Chip), etc. In examples where devices **132** are connected to energy controller **110**, processing module **114** may receive device data **138** from devices **132** through interface module **112**. As further described below, each item